

an inner shaft located coaxially within said outer sheath, said shaft having a distal end and a proximal end;

a self-expanding stent located within said distal section of said outer sheath, said stent making frictional contact with said outer sheath, and said shaft coupled to said stent for delivery of said stent;

said distal section being light transmissive whereby said stent may be visually inspected through said distal section.

23. A medical device delivery system as defined in claim 22, wherein said sheath includes a flexible distal tip bonded to the distal section, said distal tip comprising a polymeric formulation containing from about 20 to 75 weight percent of a polymeric radiopaque agent to be substantially more radiopaque than the distal section and the elongated tubular body member.

24. A medical device delivery system as defined in claim 23, wherein said elongated tubular body member is comprised of a polymeric formulation containing less than about 20 weight percent of radiopaque agent to be substantially less radiopaque than the distal tip.

25. A medical device delivery system as defined in claim 23, wherein said distal section is comprised of a clear nylon polymer.

26. A medical device delivery system as defined in claim 25, wherein said elongated tubular body is comprised of an opaque nylon material.

27. A medical device delivery system for a self-expanding stent comprising:

an outer sheath comprising an elongated tubular body member having an inside and outside diameter and a distal section having a greater inside and outside diameter than said inside and outside diameter of said tubular body member;

said sheath comprising an inner layer having braiding disposed thereon, and a coating applied over and bonded to the braiding with the coating of said distal section formed from a light transmissive material;

an inner shaft located coaxially within said outer sheath, said shaft having a distal end and a proximal end;

13 a self-expanding stent located within said distal section of said outer sheath, said stent making frictional contact with said outer sheath, and said shaft coupled to said stent for delivery of said stent;

said distal section being light transmissive whereby said stent may be visually inspected through said distal section.

28. A medical device delivery system as defined in claim 27, wherein said sheath includes a flexible distal tip bonded to the distal section, said distal tip comprising a polymeric formulation containing from about 20 to 75 weight percent of a polymeric radiopaque agent to be substantially more radiopaque than the distal section and the elongated tubular body member;

said elongated tubular body member being comprised of a polymeric formulation containing less than about 20 weight percent of radiopaque agent to be substantially less radiopaque than the distal tip.